



UNITED STATES PATENT AND TRADEMARK OFFICE

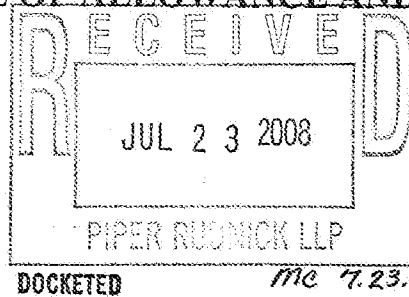
313449P0008

UNITED STATES DEPARTMENT OF COMMERCE
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NOTICE OF ALLOWANCE AND FEE(S) DUE

47604 7590 07/18/2008
DLA PIPER US LLP
P. O. BOX 9271
RESTON, VA 20195



EXAMINER	
STRANGE, AARON N	
ART UNIT	PAPER NUMBER
2153	

DATE MAILED: 07/18/2008

DOCKETED

mc 7.23.08

Issue Fee & Formed Drawings

10.18.08

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/935,779	08/24/2001	Frampton E. Ellis	P 0274516 GNC22US	9048

TITLE OF INVENTION: GLOBAL NETWORK COMPUTERS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$720	\$300	\$0	\$1020	10/20/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. **PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. **THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block I, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

47604

7590

07/18/2008

DLA PIPER US LLP
P. O. BOX 9271
RESTON, VA 20195

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/935,779	08/24/2001	Frampton E. Ellis	P 0274516 GNC22US	9048

TITLE OF INVENTION: GLOBAL NETWORK COMPUTERS

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nonprovisional	YES	\$720	\$300	\$0	\$1020	10/20/2008

EXAMINER	ART UNIT	CLASS-SUBCLASS
STRANGE, AARON N	2153	709-201000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 _____

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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EXAMINER

STRANGE, AARON N

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PAPER NUMBER

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Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 725 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 725 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.

09/935,779

Applicant(s)

ELLIS, FRAMPTON E.

Examiner

AARON STRANGE

Art Unit

2153

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to response filed 4/21/08.
2. ☒ The allowed claim(s) is/are 1-52.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
(b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>20010824;20061212</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

Response to Amendment

1. The amendments and remarks filed 4/21/2008 are sufficient to overcome the rejections under 35 U.S.C. § 112 set forth in the Office action of 2/19/2008. Accordingly, those rejections have been withdrawn.

Drawings

2. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because the drawings are informal and difficult to read. Applicant is advised to employ the services of a competent patent draftsman outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

Allowable Subject Matter

3. Claims 1-52 are allowed.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to AARON STRANGE whose telephone number is (571)272-3959. The examiner can normally be reached on M-F 8:30-5:00.

Art Unit: 2153

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glen Burgess can be reached on 571-272-3949. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Glenton B. Burgess/
Supervisory Patent Examiner, Art Unit 2153

/A. S./
Examiner, Art Unit 2153

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(PW FORM PAT-1449)
Patent and Trademark Office

Atty.
Dkt. No.

M#

Client Ref

0274516

GNC22US

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant: ELLIS

Application No.: Unknown

Date: August 24, 2001

Page

1

of

6

Examiner: Unknown *Dinh*

Group Art Unit: Unknown

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
<i>SE</i>	AR 4,827,508	05/1989	SNEAR	—	—	
	BR 4,918,586	04/1990	NAKANO	—	—	
	CR 4,969,092	11/1990	SHORTER	—	—	
	DR 5,025,369	06/1991	SCHWARTZ	—	—	
	ER 5,031,089	07/1991	LIU et al.	—	—	
	FR 5,103,393	04/1992	HARRIS et al.	—	—	
	GR 5,109,329	04/1992	STRELIOFF	—	—	
	HR 5,109,512	04/1992	BAHR et al.	—	—	
	IR 5,136,708	08/1992	LAPOURTE et al.	—	—	
	JR 5,155,808	10/1992	SHIMIZU	—	—	
	KR 5,291,494	03/1994	BRUCKERT et al.	—	—	
	LR 5,341,477	08/1994	PITKIN et al.	—	—	
	AR 5,349,682	09/1994	ROSENBERRY	—	—	
	MR 5,357,632	10/1994	PIAN et al.	—	—	
	NR 5,361,362	11/1994	BENKESER et al.	—	—	
	OR 5,381,534	01/1995	SHI	—	—	
	PR 5,392,400	02/1995	BERKOWITZ et al.	—	—	
	QR 5,410,651	04/1995	SEKIZAWA et al.	—	—	
	RR 5,426,741	06/1995	BUTTS, JR. et al.	—	—	
	SR 5,428,783	06/1995	LAKE	—	—	
	TR 5,457,797	10/1995	BUTTERWORTH et al.	—	—	
	UR 5,515,511	05/1996	NGUYEN et al.	—	—	
	VR 5,522,070	05/1994	SUMIMOTO	—	—	
	WR 5,546,594	08/1996	WAZUMI	—	—	
	XR 5,550,984	08/1996	GELB	—	—	
	YR 5,568,375	10/1996	RAUSCH	—	—	
	BR 5,572,643	11/1996	JUDSON	—	—	
	ZR 5,586,121	12/1996	MOURA et al.	—	—	
	CR 5,590,284	12/1996	CROSETTO	—	—	
	AAR 5,594,491	01/1997	HODGE et al.	—	—	
	BBR 5,608,448	03/1997	SMORAL et al.	—	—	
	CCR 5,615,127	03/1997	BEATTY et al.	—	—	
	DDR 5,666,484	09/1997	ORIMO et al.	—	—	
	EER 5,678,028	10/1997	BERSHTEYN et al.	—	—	
	DR 5,680,548	10/1997	TRUGMAN	—	—	
	ER 5,696,902	12/1997	LECLERCQ et al.	—	—	
<i>SE</i>	FFR 5,710,884	01/1998	DEDRICK	—	—	
	GGR 5,748,489	05/1998	BEATTY et al.	—	—	

Examiner

D.P./M

Date Considered:

9/20/03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 (modified) To: U.S. Department of Commerce (PW FORM PAT-1449) Patent and Trademark Office				Atty. Dkt. No.	M#	Client Ref.
				0274516		GNC22US
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Applicant: ELLIS		
				Application No.: Unknown		
Date: August 24, 2001				Page 2 of 6		Examiner: <u>Unknown-Djh</u>
				Group Art Unit: <u>252</u> <u>Unknown</u>		

U.S. PATENT DOCUMENTS							
Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)	
[Signature]	AR 5,758,077	05/1998	DANAHY et al.	1	1		
	BR 5,758,345	05/1998	WANG	1	1		
	CR 5,761,507	06/1998	GOVETT	1	1		
	FR 5,774,668	06/1998	CHOQUIER et al.	1	1		
	DR 5,790,431	08/1998	AHRENS, Jr. et al.	1	1		
	GR 5,793,968	08/1998	GREGERSON et al.	1	1		
	ER 5,794,059	08/1998	BARKER et al.	1	1		
	HR 5,815,665	09/1998	TEPER et al.	1	1		
	IR 5,815,793	09/1998	FERGUSON	1	1		
	JR 5,826,014	10/1998	COLEY et al.	1	1		
	KR 5,828,833	10/1998	BELVILLE et al.	1	1		
	LR 5,844,594	12/1998	FERGUSON	1	1		
	FR 5,845,074	12/1998	KOBATA	1	1		
	GR 5,850,449	12/1998	MCMANIS	1	1		
	HR 5,864,738	01/1999	KESSLER et al.	1	1		
	MR 5,881,284	03/1999	KUBO	1	1		
	NR 5,889,989	03/1999	ROBERTAZZI et al.	1	1		
	OR 5,909,681	06/1999	PASSERA et al.	1	1		
	PR 5,930,511	07/1999	HINSLEY	1	1		
	QR 5,964,832	10/1999	KISOR	1	1		
RR 5,978,829	11/1999	CHUNG et al.	1	1			
SR 6,052,555	04/2000	FERGUSON	1	1			
TR 6,098,091	08/2000	KISOR	1	1			
[Signature]	UR 6,112,225	08/2000	KRAFT et al.	1	1		
	VR 6,112,243	08/2000	DOWNS et al.	1	1		

FOREIGN PATENT DOCUMENTS						English Abstract	Translation Readily Available
Document Number	Date MM/YYYY	Country	Inventor Name				
WR WO 98/26366	06/1998	WIPO	Ellis				
XR 0 853 279	07/1998	EUROPE	Nagaratna et al.				
YR WO 94/01964	01/1994	WIPO	Craig				
ZR WO 95/01060	01/1995	WIPO	Kramer et al.				
AAR EP 0 840216A2	05/1998	Europe	Chung et al.				

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)	
BBR "Ein-Chip-Firewall," Elektroniknet Top News, XP-002164257	

Examiner: <u>D. D. N. H.</u>	Date Considered: <u>9/30/03</u>
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*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Applicant: ELLIS
Application No.: Unknown

Date: August 24, 2001 Page 3 of 6 Examiner: Unknown *DIM* Group Art Unit: Unknown *2152*

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

<i>87</i>	AR	"Means for Implementing Optical Interconnections for Parallel Processors," IBM Technical Disclosure Bulletin, April 1991, Vol. 33, No. 11, pages 55-58, XP 000110310			
	BR	Alexandrov et al., "SuperWeb: Research Issues in Java-Based Global Computing," Concurrency, Vol. 9, No. 6, June 1997, pages 535-553			
	CR	Baratloo et al., "Charlotte: Metacomputing on the Web," 9th International Conference on Parallel and Distributed Computing Systems (PDCS), 1996, pages 1-8			
	DR	Bevinakoppa et al., "Digital Image Compression on a Network of Transputers," Proc. of 5th Australian Transputer & OCCAM User Group Conference, IOS Press, Amsterdam, pp. 25-32 Date Unknown			
	ER	Blumofe, R. et al., "Scheduling Large-Scale Parallel Computations on Networks of Workstations," Proc. Of the 3rd IEEE Int'l Symp on High Performance Distributed Computing, pp. 96-105, Aug. 1994			
	FR	Brecht et al., "ParaWeb: Towards World-Wide Supercomputing," Proceedings of the Seventh ACM SIGOPS European Workshop, September 1996, 8 pages			
	GR	Brisbin, "Shopping for Internet access," MacUser, December 1994, v.10, p. 133(2)			
	HR	Brown et al., Special Edition Using Netscape™, 2 Second Edition, Que Corporation, 1995, Ch. 1-2			
	IR	Capello et al., "Market-Based Massively Parallel Internet Computing," Proceedings Third Working Conference on Massively Parallel Programming Models, 1998, pages 118-129			
	JR	Celenk, M. et al., "Parallel Task Execution in LANs and Performance Analysis," Proc. Of the 1995 IEEE 14th Annual Int'l Phoenix Conf. On Computers and Communications, pp. 423-429, Mar. 1995			
	KR	Chen, C. et al., "The DBC: Processing Scientific Data Over the Internet," Proc. Of the 16th Int'l. Conf. On Distributed Computing Systems, pp. 673-679, May 1996			
	LR	Clark, H. et al., "DAWGS-A Distributed Computer Server Utilizing Idle Workstations," Proc. Of the 5th Distributed Memory Computing Conf., IEEE, pp. 732-741, April 1990			
	MR	Fogg, C., "Survey of software and hardware VLC architectures," SPIE, vol. 2186, Image and Video Compression (1994), pp. 29-37			
	NR	Fox et al., "Towards Web/Java based High Performance Distributed Computing-an Evolving Virtual Machine," www.npac.syr.edu/projects/webospace/doc/hpdc5/paper, June 10, 1996, 11 pages			
	OR	Fox et al., "Towards Web/Java based High Performance Distributed Computing-an Evolving Virtual Machine," as presented at 5th IEEE International Symposium on High Performance Distributed Computing, August 6-9, 1996, 86 pages			
	PR	Fox, E., "Advances in Interactive Digital Multimedia Systems," Computer, Oct. 1991, pp. 9-21			
	QR	Gemmell et al., "Multimedia Storage Servers: a Tutorial," Computer, May 1995, pp. 40-49			
<i>2</i>	RR	Geoffrey C. Fox and Wojtek Furmanski, Petaops and Exaops: Supercomputing on the Web, "IEEE INTERNET COMPUTING," Vol. 1, Number 2 March-April 1997, pgs. 38-46.			

Examiner: *D. DIM* Date Considered: *9/30/98*

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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Atty. Dkt. No.	M#	Client Ref.
	0274516	GNC22US

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Applicant: ELLIS
Application No.: Unknown 09/935,779

Date: August 24, 2001 Page 4 of 6 Examiner: Unknown Group Art Unit: Unknown

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Examiner: D. O. M. Date Considered: 9/10/05
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
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Atty.
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Client Ref.

0274516

GNC22US

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant: ELLIS

Application No.: ~~Unknown~~ 09/935,779

Date: August 24, 2001

Page 5 of 6

Examiner: Unknown

Group Art Unit: Unknown

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KR	Szabo, B., et al., "Design considerations for JPEG Video and Synchronized Audio in a Unix Workstation Environment," USENIX-Summer '91, pp. 353-368			
LR	Taisuke Boku, Hiroshi Nakamura, Kisaburo Nakazawa, and Yoichi Iwasaki, The Architecture of Massively Parallel Processor CP-PACS, "IEEE 1997," pgs. 31-40.			
MR	Tandiary et al., "Batrun: Utilizing Idle Workstations for Large-Scale Computing," Summer 1996, pp. 41-48			
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Examiner

D. D. M.

Date Considered:

9/30/05

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(PW FORM PAT-1449)
Patent and Trademark Office

Atty.
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**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Applicant: ELLIS

Application No.: ~~Unknown~~ 09/935,779

Date: August 24, 2001

Page

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of

6

Examiner: Unknown

Group Art Unit: Unknown

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	09/935,779
Filing Date	August 24, 2001
First Named Inventor	Frampton E. ELLIS
Art Unit	2153
Examiner Name	A. STRANGE
Attorney Docket Number	313449-P0008

Sheet

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of

2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number/Kind Code ^{2,3} (if known)			
		US -5,905,429	5/1/1999	Hornstein et al.	
		US -5,357,404	10/1/1994	Bright et al.	
		US -			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

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Substitute for form 1449A/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	09/935,779		
		Filing Date	August 24, 2001		
		First Named Inventor	Frampton E. ELLIS		
		Art Unit	2153		
		Examiner Name	A. STRANGE		
Sheet	2	of	2	Attorney Docket Number	313449-P0008

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Notice of Allowance issued in Application No. 09/884,041 mailed May 22, 2008	
		Notice of Allowance issued in Application No. 09/085,755 mailed June 25, 2008	
		Final Office Action issued in Application No. 10/802,049 mailed July 3, 2008	
Examiner Signature	/Aaron Strange/		Date Considered 07/16/2008

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	09/935,779
				Filing Date	August 24, 2001
				First Named Inventor	Frampton E. ELLIS III
				Art Unit	2153
				Examiner Name	Sean M. Reilly
				Attorney Docket Number	313449-P0008
Sheet	1	of	3		

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.*	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code** (if any)			
ER		US -4,245,306	1/1/1981	Besemer et al.	
		US -4,276,637	7/1/1981	Best	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
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Substitute for form 1448A/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	09/935,779
		Filing Date	August 24, 2001
		First Named Inventor	Frampton E. ELLIS III
		Art Unit	2153
		Examiner Name	Sean M. Reilly
		Attorney Docket Number	313449-P0008
Sheet	2	of	3

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
		Waltz et al., "Make 'em pay: Billing Net Usage", MacWeek, Vol. 6 (No. 27), p. 24 (2) (Dialog full text), (July 27, 1992).		
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		Geppert, L., "Solid State [Trend/Development]", IEEE Spectrum, Vol. 33, Issue 1, 1996, pp. 51-55.		
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Examiner Signature			Date Considered	1/17/02

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Substitute for form 1449A/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	09/935,779		
		Filing Date	August 24, 2001		
		First Named Inventor	Frampton E. ELLIS III		
		Art Unit	2153		
		Examiner Name	Sean M. Reilly		
Sheet	3	of	3	Attorney Docket Number	313449-P0008

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
SL		NONE, "PC Vision: Intel unveils plans to bring PCs to Vehicles", EDGE: Work-Group Computing Report, EDGE Publishing, pp. 1-2 (October 28, 1996).	
BL		The American Heritage College Dictionary 4th Ed. - definition of "firewall". Date Unknown	
13		White, "Covert Distributed Processing with Computer Viruses", Advances in Cryptology, Crypto 89, Springer LNCS, Vol. 435, pp. 616-619.	
SL		Wilkinson et al., "Parallel Programming", Prentice Hall, 1998.	
SL		Slater, "The Microprocessor Today", IEEE Micro 1996, pp. 32-44.	
Examiner Signature			Date Considered
			1/12/07

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